MINERALIUM DEPOSITA

nternational Journal for Geology, Mineralogy, and Geochemistry of lineral Deposits

nder the auspices of the Society for Geology Applied to Mineral Deposits

dited by / Publié par / Herausgegeben von

. C. Amstutz-Heidelberg, E. Grip-Boliden, G. Kullerud-Washington, I. de Magnée-Brüssel, . Maucher-München, J. Pereira-London, P. Ramdohr-Heidelberg, P. Routhier-Paris

he cooperation of / avec la collaboration de / unter Mitwirkung von

ard, Orléans
eneo, Roma
Bernard, Nancy
. Borchert, Clausthal-Zellerfeld
. W. Chuchrow, Moscow
. Cissarz, Hannover-Buchholz
. C. Dunham, London
. Evrard, Liège
. Febrel, Madrid
. H. Fisher, Canberra
. H. Frohberg †, Toronto
. Haapala, Helsinki
. D. Holland, Princeton
. Ingerson, Austin
. Jankovič, Beograd
E. Kautzsch, Berlin-Weissensee
H. King, North Melbourne
H. J. Koark, Uppsala
J. Kutina, Prag
P. Laffitte, Paris
L. J. Lawrence, Sydney
P. Nicolini, Pau
C. H. Smith, Ottawa
R. L. Stanton, Armidale
P. N. Stipanicic, Buenos Aires
W. Uytenbogaardt, Amsterdam
O. Vaasjoki, Helsinki
F. Vokes, Trondheim
T. Watanabe, Hongo-Bunkyo-ku/Tokyo

lanaging editor / Rédaction / Redaktion: G. C. Amstutz

olume 5, 1970

Springer-Verlag Berlin - Heidelberg - New York

The copyright for all languages and countries, including the right to reproduce by photographic or ot
means, is transferred to the publishers as soon as the manuscript is accepted and published by them.

The reproduction of registered names, trade marks, ect. in this journal, even if not specifically indicated, d
not warrant the assumption that such names, as defined by the laws affecting protection of trade mar
etc., may be regarded as unrestricted and therefore free for unrestricted use.

Springer-Verlag/Berlin · Heidelberg · New York

Printed in Germany — Copyright © by Springer-Verlag Berlin Heidelberg 1970

Meister Druck, Kassel

Contents

Originals

Adib, D., Ottemann, J., Some New Lead Oxide Minerals and Murdochite from T. Khuni Mine, Anarak, Iran, 86—93.

Barbier, D., Zonalités géochimiques et métallogèniques dans le massif de Saint-Sylvestre (Limousin-France), 145—156.

Bartholomé, P., Minerais et skarns dans les auréoles de métamorphisme, 345—353.

Borchert, H., On the Ore-Deposition and Geochemistry of Manganese, 300—314.

Brown, J. S., Mississippi Valley Type Lead-Zinc Ores, 103—119.

Chazan, W., Étude géologique préliminaire des dépôts potassifères d'Iran, 280—299.

Chukhrov, F. V., Vinogradov, V. I., Ermilova, L. P., On the Isotopic Sulfur Composition of some Precambrian Strata, 209—222.

Erdosh, G., Geology of Bogola Mine, Ceylon and the Origin of Vein-Type Graphite, 375—382.

Farrand, M., Framboidal Sulphides Precipitated Synthetically, 237—247.

Geier, B. H., Ottemann, J., New Primary Vanadium-, Germanium-, Gallium-, and Tin-Minerals from the Pb-Zn-Cu-Deposit Tsumeb, South West Africa, 29—40.

Ghisler, M., Pre-Metamorphic Folded Chromite Deposits of Stratiform Type in the Early Precambrian of West Greenland, 223—236.

Graeser, St., Friedrich, G., Zur Frage der Altersstellung und Genese der Blei-Zink-Vorkommen der Sierra de Cartagena in Spanien, 365—374.

Grubb, P. L. C., Mineralogy, Geochemistry, and Genesis of the Bauxite Deposits on the Gove and Mitchell Plateaux, Northern Australia, 248—272.

Jurain, G., Renard, J. P., Géochimie de l'uranium dans les minéraux phylliteux et les roches du massif granitique de Mortagne-sur-sèvre, (Vendée) France, 354—364.

Kräutner, H. G., Die hercynische Geosynklinalerzbildung in den rumänischen Karpaten und ihre Beziehungen zu der hercynischen Metallogenese Mitteleuropas, 323—344.

Lambert, I. B., Bubela, B., Banded Sulphide Ores: The Experimental Production of Monomineralic Sulphide Bands in Sediments, 97—102.

Mookherjee, A., Dykes, Sulphide Deposits, and Regional Metamorphism: Criteria for Determining their Time Relationship, 120—144.

Oen, Ing Soen, Paragenetic Relations of Some Cu–Fe–Sn-Sulfides in the Mangualde Pegmatite, North Portugal, 59—85.

Rose, A. W., Origin of Trace Element Distribution Patterns in Sulfides of the Central and Bingham Districts, Western U.S.A., 157—163.

Schermerhorn, L. J. G., The Deposition of Volcanics and Pyritite in the Iberian Pyrite Belt, 273—279.

Taylor, L. A., The System Ag–Fe–S: Phase Equilibria and Mineral Assemblages, 41—58.

Treuil, M., Faucherre, J., Macquar, J. C., Contribution à l'étude du comportement géochimique de quelques éléments métalliques dans la sédimentogenèse. Exemple de la couverture secondaire des causses, 1—22.

Viljoen, R. P., Saager, R., Viljoen, M. J., Some Thoughts on the Origin and Processes Responsible for the Concentration of Gold in the Early Precambrian of Southern Africa, 164—180.

Yajima, J., Touray, J. C., Analyse thermométrique du gisement de fluorite d'el Hammam (Maroc). (D'après des éstudes d'inclusions fluides), 23—28.

Short Notes

Ferenčić, A., Porphyry Copper Mineralization in Panama, 383—389.

Law, Y. D., Uranium Mineralisation Near Surda in the Singbhum Copper Belt of Bihar (India), 390—395.

Mantei, E., Bolter, E., Shaieb, Z. AI, Distribution of Gold, Silver, Copper, Lead and Zinc in the Productive Marysville Stock, Montana, 184—190.

Schulz, O., Unterwasserbeobachtungen im s[illegible] litoralen Solfatarenfeld von Vulcano (Ä[illegible] sche Inseln, Italien), 315—319.

De Weisse, G., Bauxite sur un atoll du Pacifi[illegible] 181—183.

Discussions

King, H. F., The Broken Hill Ore Deposit: An Early Note on its Genesis, 191.

Book Reviews

Barth, T. F. W., Feldspars, 192.

Bazin, D., Hübner, H., Copper Deposits in Iran, 192.

Beurlen, K., Geologie von Brasilien, 396.

Fluid inclusion research, Edit. by *Roedder, E.*, 320.

Hot Brines and Recent Heavy Metal Depo[illegible] in the Red Sea. A Geochemical and [illegible] physical Account. Edit. by *Degens, E. T. Ross, D. A.*, 93.

Kern, H., Zur Geochemie und Lagerstät[illegible] kunde des Chroms und zur Mikroskopi[illegible] Genese der Chromerze, 320.

Nicolini, P., Gîtologie des concentrations m[illegible] nérales stratiformes, 396.

Society News

94, 193, 321, 398

Personal News

95, 195, 398

Membership List

199—208